

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

Claim 1 (currently amended): A method for the continuous production of a composition comprising rubber (20), a hydrocarbon resin (22), and a solvent (26), with the use of a dual-screw extruder (10), which method provides for the addition of at least a fraction of the solvent (26) at a point of the extruder (10) that is downstream of the initial section at which the rubber and the resin is added, wherein at the outlet of the extruder (10) the temperature of the composition produced by dissolving ~~the other ingredients~~ rubber and resin in the solvent (26) being less than the boiling point of the solvent (26).

Claim 2 (currently amended): A method according to Claim 1, in which a first addition of solvent (26) takes place at a distance of at least 4 ~~D~~ times a diameter of the extruder from the initial section of the extruder (10).

Claim 3 (previously presented): A method according to Claim 1 in which the solvent (26) is added at a plurality of different points disposed downstream of the initial section of the extruder (10).

Claim 4 (previously presented): A method according to Claim 1 in which, in the portion of the extruder (10) that is upstream of the point at which the first addition of solvent

(26) is performed, the temperature is kept within a range of between 60°C and 120°C whereas, in the portion of the extruder (10) that is downstream of the point at which the first addition of solvent (26) is performed, the temperature is kept within a range of between 40°C and 80°C, the temperature in the upstream portion being greater than that prevailing in the downstream portion.

Claim 5 (previously presented): A method according to claim 1, which provides for the addition of at least a fraction of the hydrocarbon resin (22) at a point of the extruder (10) that is downstream of the initial section.

Claim 6 (previously presented): A method according to claim 1 in which the rubber (20) is selected from the group consisting of natural rubbers, synthetic rubbers and mixtures thereof.

Claim 7 (previously presented): A method according to claim 1 in which the hydrocarbon resin (22) has tackifying properties.

Claim 8 (previously presented): A method according to claim 1 in which the solvent (26) is selected from the group consisting of hexane, pentane, dichloropropane, and mixtures thereof.

Claim 9 (previously presented): A method according to claim 1 in which the dual-screw extruder (10) is of the co-rotating type.